Table 1C

2010 Pediatric Nutrition Surveillance Michigan

Summary of Demographic Indicators

Children Aged < 5 Years (2,3)

(1)

Total Records Number Individual Children 235,300 Total Records (All Visits) 313,291

Source of Data	Number	%
WIC EPSDT Child Health-MCH Child Health-HMO Headstart School Health Other	235,300 0 0 0 0 0 0	100.0 0.0 0.0 0.0 0.0 0.0
Total Excluded Unknown: 0 0.0 %	235,300	100.0

Page:

Race/Ethnic D	Distributi	ion		Number	%
White, Not Hispanic Black, Not Hispanic Hispanic American Indian/Alask Asian/Pacific Islander Multiple Races All Other	a Native			121,455 59,225 33,962 549 3,507 16,501 0	51.6 25.2 14.4 0.2 1.5 7.0 0.0
Total <i>Excluded Unknown:</i>	101	0.0	%	235,199	100.0

Age Distribution (4)	Number	%
0 - 5 Months 6 - 11 Months 12 - 23 Months 24 - 35 Months 3 - 4 Years	49,515 26,854 50,994 41,842 66,095	21.0 11.4 21.7 17.8 28.1
Total	235,300	100.0

% of Pov	erty Level		Number	%
0-50			92,596	40.1
51-100			71,148	30.8
101-130			25,093	10.9
131-150			11,840	5.1
151-185			14,096	6.1
186-200			1,335	0.6
Over 200			2,446	1.1
Adjunctive	e Eligibility		12,277	5.3
Total			230,831 ·	100.0
Excluded Unknown:	4,469	1.9 %		

Program Participation	Number	%
WIC SNAP Medicaid TANF	235,300 234,389 233,446 234,532	55.4 79.3
Excluded Unknown: WIC SNAP Medicaid TANF	0 911 1,854 768	0.0 0.4 0.8 0.3

M	igrant S	tatus			Number	%
Ye No					3,018 232,282	1.3 98.7
To	tal				235,300	100.0
Exclu Unkn			0	0.0 %		



⁽¹⁾ Reporting period is January 1 through December 31.(2) Analyses based on one record per child.

Excludes records with unknown data or errors.

Records rejected if date of birth and date of visit unknown.

Percentages are not calculated if < 100 records are available for analysis after exclusions.

Summary of Health Indicators Children Aged < 5 Years (2)

S	Summary of Heal	th Indicators	(3)		
		Michiga Prevale		Natior Prevale (Prior Y	nce
		Number	%	Number	%
Birthweight (4)					
Low High	< 2500 g > 4000 g	44,244 44,244	9.0 7.0	1,961,342 1,961,342	8.9 6.4
Height and Weight Short Stature (5)	< 5th < 10th	231,205 231,205	5.2 9.7	8,451,215 8,451,215	6.0 10.8
Underweight (6)	< 5th < 10th	231,205 231,205	3.7 6.6	8,451,215 8,451,215	4.3 7.5
Obese (6) ≥ 2 Yrs Overweight (6)	≥ 95th 85th - < 95th ≥ 95th	231,205 106,019 106,019	12.4 16.3 13.3	8,451,215 3,678,355 3,678,355	14.0 16.4 14.7
Anemia (7) Low Hb Low Hct Low Hb/Hct	_ 50011	137,106 15 137,121	15.6 *	5,201,886 538,293 5,524,196	15.1 11.6 14.9
Breastfeeding (8) Ever Breastfed Breastfed At Least 6 Mor	44,728 31,130 29,900	54.9 17.8 8.4	1,769,160 911,779 1,092,573	61.7 27.0 18.5	
Smoking in Household ≤ 2 Hours TV Viewing/ Day	234,313 110,890	7.0 82.5	4,355,723 1,022,933	10.2 77.3	

- (1) Reporting period is January 1 through December 31.
- (2) Analyses based on one record per child.
- (3) Excludes records with unknown data or errors.
- (4) Infants born during the reporting period included in the analysis.
- (5) Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.
- (6) Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.
- (7) Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.
- (8) Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.
- (9) Children aged 2 years and older included in the analysis.
- * Percentages are not calculated if < 100 records are available for analysis after exclusions.



Page:

Summary of Breastfeeding Indicators Children Aged < 5 Years (2)

Summary of B	reastfeedin	g Indi	cators (3)	
	Michigar Prevalend		Nationa Prevalend (Prior Yea	e
	Number	%	Number	%
Breastfeeding Duration (4,5)				
Ever Breastfed	44,728	54.9	1,769,160	61.7
Breastfed 1+ Weeks Breastfed 2+ Weeks Breastfed 3+ Weeks Breastfed 4+ Weeks Breastfed 6+ Weeks	39,871 31,287 25,671 22,926 20,657	51.3 48.2 43.5 39.7 34.1	1,499,573 1,164,141 947,758 826,300 704,088	58.7 56.4 53.6 50.9 44.6
Breastfed 2+ Months Breastfed 3+ Months Breastfed 4+ Months Breastfed 5+ Months Breastfed 6+ Months	21,284 24,436 28,770 33,106 31,130	31.1 26.3 22.4 19.6 17.8	665,172 714,931 806,269 904,357 911,779	39.2 34.5 31.0 28.2 27.0
Breastfed 9+ Months Breastfed 12+ Months	24,306 29,900	11.8 8.4	1,050,661 1,092,573	21.8 18.5
Breastfed 18+ Months	22,784	4.3	862,440	10.1
Exclusive Breastfeeding (6)				
Exclusively Breastfed at Least 3 Months Exclusively Breastfed at Least 6 Months	22,987 29,396	11.6 6.0	317,037 420,655	9.9 5.3

⁽¹⁾ Reporting period is January 1 through December 31.



Page:

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the Ever Breastfed analysis. For each breastfeding duration category, the analysis includes only children who turned that age during the reporting period by/on their date of visit. For example, infants who turned 9 months old during the reporting period by/on their date of visit are included in the 9+ months analysis.

⁽⁵⁾ It is possible the analysis will show that slightly more infants are breastfed at older ages, e.g. 1+ week of age, than at younger ages, e.g. at birth (ever breastfed), due to variation in infants included in each breastfeeding analysis category.

⁽⁶⁾ The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 4C

2010 Pediatric Nutrition Surveillance (1)

Michigan

Comparison of Racial and Ethnic Distribution by Contributor to Nation Children Aged < 5 Years (2)

Comparison of Racial and Ethnic Distribution American White, Not Black, Not Asian/Pacific Multiple Races All Other / Contributor Number Hispanic Indian/Alaska Hispanic Included in Hispanic Islander Unknown Native Analysis (3) % % 235,300 51.6 25.2 0.2 1.5 7.0 0.0 14.4 Michigan Nation 8,938,527 31.8 18.7 40.6 0.9 2.6 2.5 3.0 (Prior Year)



Page:

⁽¹⁾ Reporting period is January 1 through December 31.(2) Analyses based on one record per child.

⁽³⁾ Excludes records with errors.

Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 5C

2010 Pediatric Nutrition Surveillance (1) Michigan

Comparison of Age Distribution by Contributor to Nation Children Aged < 5 Years (2)

Comparison of Age Distribution Contributor Number 0 - 11 Months 12 - 23 Months 24 - 59 Months Included in Analysis (3,4) % % % 32.5 21.7 45.9 Michigan 235,300 Nation 8,938,527 34.5 22.6 42.9 (Prior Year)



Page:

⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Records rejected if date of birth and date of visit unknown.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 6 Run Date: 3 / 26 / 11

Comparison of Growth and Anemia Indicators by Contributor to Nation Children Aged < 5 Years (2)

	Comparison of Growth and Anemia Indicators (3)												
		Birthweigh	t (4)		eight and V	Veight	- Anemia						
		Low	High		Short Stature (5)	Under- weight (6)		≥ 2 Yrs Over- weight (6)	Low Hb/Hct (7)				
Contributor	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number % % 85th- <95th <u>></u> 95th	Number %				
Michigan	44,244	9.0	7.0	231,205	5.2	3.7	12.4	106,019 16.3 13.3	137,121 15.6				
Nation (Prior Year)	1,961,342	8.9	6.4	8,451,215	6.0	4.3	14.0	3,678,355 16.4 14.7	5,524,196 14.9				



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the analysis.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁶⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children..

⁽⁷⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

^{*} Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Comparison of Breastfeeding, TV Viewing, and Smoking in Household by Contributor to Nation Children Aged < 5 Years (3)

	Breastfeeding (5)				Exclusive Breastfeeding (6)				≤2 Hours TV Viewing/Day (7)		Smoking in Household			
Contributor	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months	Number	% Breastfed At Least 3 Months	Number	% Breastfed At Least 6 Months	Number	%	Number	%
Michigan	44,728	54.9	31,130	17.8	29,900	8.4	22,987	11.6	29,396	6.0	110,890	82.5	234,313	7.0
Nation Prior Year)	1,769,1	60 61.7	911,779	27.0	1,092,5	73 18.5	317,037	9.9	420,655	5 5.3	1,022,933	77.3	4,355,723	10.2



Page:

Run Date:

(2)

3 / 26 / 11

⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ TV Viewing and Smoking in Household data are not reported by all contributors.

⁽³⁾ Analyses based on one record per child.

⁽⁴⁾ Excludes records with unknown data or errors.

⁽⁵⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

⁽⁶⁾ The analysis includes infants who were ever breastfed and who turned that age during the reporting period by/on their date of visit.

⁽⁷⁾ Children aged 2 years and older included in the analyses.

Percentages and ranks are not calculated if < 100 records are available for analysis after exclusions.

Run Date: 3 / 26 / 11

Page:

Growth and Anemia Indicators by Race/Ethnicity or Age Children Aged < 5 Years (2)

	Growth	and An	emia In	dicators	by Rac	e/Ethr	nicity o	r Age 🤫	3)			
	Bi	rthweight (4	·)			Hei	ght and W	eight/				
		Low %	High %		Short Under- Obese ≥ 2 Yrs Stature weight Overweig (5) (6) (6)		Overweight		Anemia Low Hb/Hct			
	Number	<2500 g	>4000 g	Number	% <5th	% <5th	% <u>≥</u> 95th	Number	% 85th-<95th	% ≥95th	Number	%
Race/Ethnicity												
White, Not Hispanic	22,607	7.5	8.7	119,622	5.1	3.4	11.6	55,012	16.6	12.5	70,473	11.5
Black, Not Hispanic	12,304	13.0	4.1	57,972	5.7	4.9	11.3	24,914	13.9	11.2	33,486	25.4
Hispanic	5,520	6.8	7.2	33,371	4.8	2.3	16.3	16,820	18.8	18.5	21,048	14.2
American Indian/Alaska Native	108	5.6	12.0	531	5.5	3.0	20.2	229	17.0	19.7	303	10.6
Asian/Pacific Islander	681	8.8	5.1	3,439	5.9	6.1	10.1	1,573	12.3	11.0	2,081	17.2
Multiple Races	2,991	8.3	6.7	16,179	4.5	3.2	14.3	7,468	16.8	14.6	9,724	15.2
All Other	33	*	*	91	*	*	*	3	*	*	6	*
Total	44,244	9.0	7.0	231,205	5.2	3.7	12.4	106,019	16.3	13.3	137,121	15.6
Age												
0 - 11 Months	_	_	_	74,399	7.8	5.1	9.8	_	*	*	7.892	19.6
12 - 23 Months	-	_	_	50,787	5.4	2.7	14.3	_	*	*	52,309	17.4
24 - 35 Months	-	_	_	41,096	3.4	3.0	11.8	41,096	15.6	11.8	30,178	17.2
36 - 47 Months	-	-	-	35,634	3.4	3.2	13.5	35,634	16.2	13.5	26,789	13.2
48 - 59 Months	-	-	-	29,289	2.9	2.9	15.1	29,289	17.2	15.1	19,953	10.3
Total	-	-	-	231,205	5.2	3.7	12.4	106,019	16.3	13.3	137,121	15.6

⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the analysis.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁶⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.

⁽⁷⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Table 9C 2010 Pediatric Nutrition Surveillance

Michigan

(1)

Breastfeeding, TV Viewing, and Smoking in Household by Race/Ethnicity or Age Children Aged < 5 Years

Breastfeeding, ⁻	TV Viewing	g, and S	Smoking	in Hous	sehold by	Race/	Ethnicity	or Ag	e (4)	
			Breastfe (5)		_		<2 Hou TV/Vide Viewing/D	90	Smoking in Household	
	Number % Ever Breastfed		1	Number % Breastfed At Least 6 Months		Number % Breastfed At Least 12 Months		%	Number	%
Race/Ethnicity										
White, Not Hispanic	22,868	60.6	16,052	20.6	15,955	9.7	57,635	87.8	120,947	6.9
Black, Not Hispanic	12,400	41.3	8,370	11.2	7,110	4.6	25,911	70.6	58,993	9.2
Hispanic	5,609	61.7	3,953	20.8	4,123	10.2	17,626	82.5	33,820	3.4
American Indian/Alaska Native	109	56.9	79	*	73	*	240	82.5	541	9.8
Asian/Pacific Islander	691	60.1	442	31.7	440	17.5	1,639	76.9	3,490	2.2
Multiple Races	3,008	53.3	2,173	14.2	2,196	6.0	7,835	84.3	16,433	8.2
All Other	43	*	61	*	3	*	4	*	89	*
Total	44,728	54.9	31,130	17.8	29,900	8.4	110,890	82.5	234,313	7.0
Age										
0 - 11 Months	-	_	-	-	-	_	0	*	75,848	5.7
12 - 23 Months	-	-	_	-	-	-	0	*	50,869	7.2
24 - 35 Months	-	-	-	-	-	-	45,340	85.5	41,727	7.7
36 - 47 Months	-	-	-	-	-	-	35,939	81.0	36,121	8.0
48 - 59 Months	-	-	-	-	-	-	29,611	79.8	29,748	8.2
Total	44,728	54.9	31,130	17.8	29,900	8.4	110,890	82.5	234,313	7.0



Page:

(2)

Run Date:

3 / 26 / 11

⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ TV Viewing and Smoking in Household are not reported by all contributors.

⁽³⁾ Analyses based on one record per child.

⁽⁴⁾ Excludes records with unknown data or errors.

⁽⁵⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

⁽⁶⁾ Children aged 2 years and older included in the analysis

Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 10 Run Date: 3 / 26 / 11

Summary of Trends in Racial and Ethnic Distribution Children Aged < 5 Years (2)

		Sur	nmary of Trer	nds in Racial a	and Ethnic Dis	stribution		
Year	Number Included in Analysis (3)	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races	All Other / Unknown %
2010	235,300	51.6	25.2	14.4	0.2	1.5	7.0	0.0
2009	260,806	51.9	25.5	14.4	0.3	1.4	6.5	0.0
2008	247,549	52.9	25.9	13.8	0.3	1.5	5.5	0.0
2007	237,338	52.8	26.5	13.9	0.3	1.5	4.9	0.0
2006	232,137	53.1	26.5	13.7	0.4	1.6	4.7	0.0
2005	229,602	49.1	24.7	11.4	0.5	1.5	2.1	10.8
2004	227,623	57.7	28.6	11.5	0.7	1.5	0.0	0.0
2003	222,370	57.7	29.1	11.1	0.7	1.4	0.0	0.0
2002	223,043	58.0	29.6	10.6	0.6	1.3	0.0	0.0
2001	228,141	57.3	30.6	10.3	0.6	1.2	0.0	0.0
2000	222,687	57.2	31.5	9.5	0.6	1.2	0.0	0.0
1999	322,928	58.9	31.0	8.2	0.7	1.2	0.0	0.0
1998	222,437	59.5	31.2	7.5	0.6	1.2	0.0	0.0
1997	223,436	58.9	32.3	7.0	0.6	1.2	0.0	0.0
1996	219,085	58.5	32.9	6.9	0.6	1.2	0.0	0.0
1995	217,109	59.1	32.8	6.4	0.6	1.0	0.0	0.0
1994	79,477	60.1	32.8	5.5	0.7	0.9	0.0	0.0
1993	2	*	*	*	*	*	*	*

⁽¹⁾ Reporting period is January 1 through December 31.(2) Analyses based on one record per child.



⁽³⁾ Excludes records with errors.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Summary of Trends in Age Distribution Children Aged < 5 Years (2)

	Summa	ary of Trends in Age	Distribution (3)	
Year	Number	0-11 Months	12-23 Months	24-59 Months
	Included in Analysis (4)	%	%	%
2010	235,300	32.5	21.7	45.9
2009	260,806	32.9	22.5	44.7
2008	247,549	35.5	21.7	42.8
2007	237,338	36.4	21.5	42.1
2006	232,137	36.7	21.2	42.1
2005	229,602	36.3	21.3	42.4
2004	227,623	36.1	20.9	43.0
2003	222,370	36.0	20.7	43.2
2002	223,043	35.8	21.2	43.0
2001	228,141	37.9	20.4	41.7
2000	222,687	38.3	20.2	41.5
1999	322,928	36.1	21.3	42.6
1998	222,437	38.4	19.8	41.7
1997	223,436	37.8	19.8	42.4
1996	219,085	36.9	20.6	42.5
1995	217,109	38.3	20.8	40.8
1994	79,477	38.0	22.6	39.5
1993	2	*	*	*

⁽¹⁾ Reporting period is January 1 through December 31.(2) Analyses based on one record per child.



Page:

⁽³⁾ Records rejected if date of birth and date of visit unknown.

⁽⁴⁾ Excludes records with unknown data or errors.

* Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 12 Run Date: 3/26/2011

Summary of Trends in Growth and Anemia Indicators Children Aged < 5 Years (2)

		S	ummary	of Tren	ds in C	Frowth	and A	nemia In	dicator	s (3)		
	Ві	irthweight (4)			Hei	ght and W	/eight			Anen Low Hi	-
Year		Low	High		Short Stature (5)	Under- weight (6)	Obese (6)	(>_2 Yrs Overweight (6)		(7)	
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number 8	% 5th-<95th	% ≥95th	Number	%
2010	44,244	9.0	7.0	231,205	5.2	3.7	12.4	106,019	16.3	13.3	137,121	15.6
2009	61,144	9.4	6.8	255,398	5.6	3.6	12.8	114,489	16.6	13.7	166,887	15.0
2008	57,235	9.5	7.2	240,409	6.9	3.8	12.9	103,523	16.6	13.9	143,054	15.7
2007	56,363	9.6	7.2	230,562	6.8	4.0	12.5	97,905	16.4	13.7	139,304	14.6
2006	55,559	9.8	7.3	225,665	6.8	4.1	12.4	95,780	16.2	13.3	135,168	12.9
2005	53,632	9.8	7.8	222,271	6.7	4.2	12.3	95,227	15.6	12.7	136,536	14.0
2004	52,604	9.6	8.0	221,604	6.8	4.0	13.0	95,863	16.1	13.2	136,704	13.1
2003	50,792	9.4	8.3	216,362	6.9	4.3	12.7	93,962	16.1	12.9	134,250	13.1
2002	49,439	9.5	8.2	216,350	7.0	4.6	12.2	94,065	15.7	12.4	139,155	13.0
2001	55,685	9.7	8.5	221,698	7.7	4.8	11.8	93,453	15.6	12.3	164,937	13.8

⁽¹⁾ Reporting period is January 1 through December 31.



⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the analysis.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁶⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.

⁽⁷⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 13 Run Date: 3/26/2011

Summary of Trends in Growth and Anemia Indicators Children Aged < 5 Years (2)

		S	ummary	of Tren	ds in C	Growth	and A	nemia l	ndicator	s (3)		
	В	irthweight (4)			Hei	ght and W	/eight			Anen Low Hb	
Year		Low	High		Short Stature (5)	Under- weight (6)	Obese (6)		>_2 Yrs Overweight (6)		(7)	
	Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number	% 85th-<95th	% ≥95th	Number	%
2000	55,392	8.9	8.6	216,687	7.5	4.8	11.7	90,754	15.5	12.0	160,182	14.6
1999	72,792	8.9	8.9	314,350	7.3	5.0	11.0	135,007	14.8	11.0	208,807	15.1
1998	55,572	9.4	8.8	215,365	7.5	5.5	10.3	90,760	14.3	10.1	168,297	14.7
1997	55,789	9.3	9.0	216,856	7.6	5.2	10.6	92,893	14.5	10.1	171,694	15.7
1996	54,558	9.3	8.8	213,065	7.8	5.6	10.1	91,581	14.5	9.7	168,939	16.1
1995	56,302	9.4	8.9	211,220	8.4	5.7	9.6	87,224	14.2	9.6	165,448	16.9
1994	27,227	9.4	9.3	77,538	8.5	5.0	10.4	30,925	15.0	10.2	58,857	15.3
1993	0	*	*	1	*	*	*	1	*	*	2	*



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the analysis.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁶⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.

⁽⁷⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

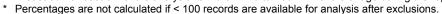
Percentages are not calculated if < 100 records are available for analysis after exclusions.

Summary of Trends in Breastfeeding Children Aged < 5 Years (2)

	Sı	ımmary of	Trends in	n Breastfe	eding (3)) 							
	Breastfeeding (4)												
Year	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months							
2010	44,728	54.9	31,130	17.8	29,900	8.4							
2009	62,038	53.5	44,879	18.5	42,347	7.8							
2008	60,080	52.5	40,792	15.8	37,776	12.0							
2007	59,326	51.8	43,476	15.3	38,593	12.4							
2006	58,676	51.2	41,890	15.8	36,303	12.9							
2005	57,291	50.9	42,538	15.5	36,578	12.2							
2004	55,961	48.7	43,459	14.6	35,951	11.9							
2003	53,953	48.0	41,545	14.7	34,040	11.8							
2002	52,433	46.7	41,779	13.6	34,975	10.7							
2001	58,927	45.2	43,743	12.3	35,033	9.6							

⁽¹⁾ Reporting period is January 1 through December 31.

⁽⁴⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.





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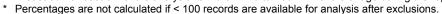
⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

Summary of Trends in Breastfeeding Children Aged < 5 Years (2)

	Sı	ımmary of	Trends ir	Breastfe	eding (3)	
				tfeeding (4)		
Year	Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
2000	58,579	43.3	42,280	12.4	33,524	9.2
1999	74,508	43.3	51,954	11.9	41,048	8.9
1998	55,523	42.8	40,643	11.2	32,201	8.7
1997	55,724	41.0	40,425	10.3	32,679	8.2
1996	52,980	39.5	38,986	10.3	33,192	7.6
1995	52,745	38.4	39,431	10.0	32,111	7.7
1994	25,354	39.7	19,285	9.3	15,452	6.7
1993	0	*	0	*	1	*

⁽⁴⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.





Page:

Run Date: 3/26/2011

15

⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

Table 14C 2010 Pediatric Nutrition Surveillance Michigan Children Aged < 5 Years

Page: 16 Run Date: 3 / 26 / 11

This table is forthcoming. It may present changes over time in the prevalence of short stature, underweight, overweight, or anemia among cohorts of children participating in the PedNSS.



Table 15C 2010 Pediatric Nutrition Surveillance Michigan Children Aged < 5 Years

Page: 17 Run Date: 3 / 26 / 11

This table is forthcoming. It may present changes over time in the prevalence of short stature, underweight, overweight, or anemia among cohorts of children participating in the PedNSS.



Page: Run Date:

3/26/2011

18

Growth Indicators by Race/Ethnicity and Age Children Aged < 5 Years (2)

	G	rowth Ind	licators by F	Race/Ethn	icity and Aç	ge ⁽³⁾			
	Short St	ature	Underw (5)		Obese (5)	е	<u>></u> :	2 Yrs Overweight (5)	
	Number	% <5th	Number	% <5th	Number	% <u>></u> 95th	Number	% 85th - <95th	% <u>></u> 95th
White, Not Hispanic									
0 - 11 Months	37,880	7.2	37,880	5.1	37,880	9.1	0	0.0	0.0
12 - 23 Months	26,730	5.4	26,730	2.5	26,730	13.4	0	0.0	0.0
24 - 59 Months	55,012	3.5	55,012	2.6	55,012	12.5	55,012	16.6	12.5
Total	119,622	5.1	119,622	3.4	119,622	11.6	55,012	16.6	12.5
Black, Not Hispanic									
0 - 11 Months	20,733	9.5	20,733	5.5	20,733	9.9	0	0.0	0.0
12 - 23 Months	12,325	5.8	12,325	3.7	12,325	13.9	0	0.0	0.0
24 - 59 Months	24,914	2.6	24,914	5.1	24,914	11.2	24,914	13.9	11.2
Total	57,972	5.7	57,972	4.9	57,972	11.3	24,914	13.9	11.2
Hispanic									
0 - 11 Months	9,389	6.5	9,389	4.4	9,389	11.5	0	0.0	0.0
12 - 23 Months	7,162	5.5	7,162	1.4	7,162	17.5	0	0.0	0.0
24 - 59 Months	16,820	3.5	16,820	1.5	16,820	18.5	16,820	18.8	18.5
Total	33,371	4.8	33,371	2.3	33,371	16.3	16,820	18.8	18.5
American Indian/Alaska Native									
0 - 11 Months	194	10.8	194	4.1	194	17.0	0	0.0	0.0
12 - 23 Months	108	4.6	108	2.8	108	26.9	0	0.0	0.0
24 - 59 Months	229	1.3	229	2.2	229	19.7	229	17.0	19.7
Total	531	5.5	531	3.0	531	20.2	229	17.0	19.7

⁽¹⁾ Reporting period is January 1 through December 31.



⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: Run Date: 3/26/2011

19

Growth Indicators by Race/Ethnicity and Age Children Aged < 5 Years (2)

Growth Indicators by Race/Ethnicity and Age (3)												
	Short St		Underw (5)		Obes (5)	е	<u>></u> :	2 Yrs Overweight (5)				
	Number	% <5th	Number	% <5th	Number	% <u>></u> 95th	Number	% 85th - <95th	% <u>></u> 95th			
Asian/Pacific Islander												
0 - 11 Months	1,127	7.5	1,127	6.6	1,127	8.5	0	0.0	0.0			
12 - 23 Months	739	5.4	739	5.8	739	10.4	0	0.0	0.0			
24 - 59 Months	1,573	5.1	1,573	5.9	1,573	11.0	1,573	12.3	11.0			
Total	3,439	5.9	3,439	6.1	3,439	10.1	1,573	12.3	11.0			
Multiple Races												
0 - 11 Months	4,990	7.4	4,990	4.9	4,990	11.8	0	0.0	0.0			
12 - 23 Months	3,721	4.5	3,721	2.5	3,721	16.9	0	0.0	0.0			
24 - 59 Months	7,468	2.5	7,468	2.5	7,468	14.6	7,468	16.8	14.6			
Total	16,179	4.5	16,179	3.2	16,179	14.3	7,468	16.8	14.6			
All Other/Unknown												
0 - 11 Months	86	*	86	*	86	*	0	*	*			
12 - 23 Months	2	*	2	*	2	*	0	*	*			
24 - 59 Months	3	*	3	*	3	*	3	*	*			
Total	91	*	91	*	91	*	3	*	*			
Total All Race/Ethnic Groups												
0 - 11 Months	74,399	7.8	74,399	5.1	74,399	9.8	0	0.0	0.0			
12 - 23 Months	50,787	5.4	50,787	2.7	50,787	14.3	0	0.0	0.0			
24 - 59 Months	106,019	3.2	106,019	3.1	106,019	13.3	106,019	16.3	13.3			
Total	231,205	5.2	231,205	3.7	231,205	12.4	106,019	16.3	13.3			

⁽¹⁾ Reporting period is January 1 through December 31.



⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Anemia Indicators by Race/Ethnicity and Age
Children Aged < 5 Years (2)

Page: 20 Run Date: 3 / 26 / 11

	Anemia l	ndicators	Race/Ethnicity and Age (3, 4)		
	Number	Anemia Low Hb/Hct %		Number	Anemia Low Hb/Hct %
White, Not Hispanic			Asian/Pacific Islander		
6 - 11 Months	3,694	16.2	6 - 11 Months	125	18.4
12 - 17 Months	16,781	15.1	12 - 17 Months	454	18.7
18 - 23 Months	10,739	10.7	18 - 23 Months	306	17.6
24 - 35 Months	15,427	12.2	24 - 35 Months	488	18.9
36 - 59 Months	23,832	8.1	36 - 59 Months	708	14.7
Total	70,473	11.5	Total	2,081	17.2
Black, Not Hispanic			Multiple Races		
6 - 11 Months	2,413	25.2	6 - 11 Months	486	16.9
12 - 17 Months	7,455	27.8	12 - 17 Months	2,287	17.3
18 - 23 Months	5,184	26.2	18 - 23 Months	1,591	14.7
24 - 35 Months	7,329	28.4	24 - 35 Months	2,209	18.3
36 - 59 Months	11,105	21.5	36 - 59 Months	3,151	11.6
Total	33,486	25.4	Total	9,724	15.2
Hispanic			All Other/Unknown		
6 - 11 Months	1,152	20.2	6 - 11 Months	2	*
12 - 17 Months	4,298	18.0	12 - 17 Months	3	*
18 - 23 Months	3,096	15.0	18 - 23 Months	0	*
24 - 35 Months	4,665	15.5	24 - 35 Months	1	*
36 - 59 Months	7,837	10.0	36 - 59 Months	0	*
Total	21,048	14.2	Total	6	*
American Indian/Alaska Native			Total All Race/Ethnic Groups		
6 - 11 Months	20	*	6 - 11 Months	7,892	19.6
12 - 17 Months	73	*	12 - 17 Months	31,351	18.7
18 - 23 Months	42	*	18 - 23 Months	20,958	15.6
24 - 35 Months	59	*	24 - 35 Months	30,178	17.2
36 - 59 Months	109	8.3	36 - 59 Months	46,742	11.9
Total	303	10.6	Total	137,121	15.6



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 21 Run Date: 3 / 26 / 11

Race/Ethnicity and Year		E	Birthweight	(4)			Hei	ight and V	Veight			Aner	mia
			Low	High		Short Stature (5)	Under- weight (6)	Obese (6)	≥ 2 Yrs Overweight (6)			Low Hb/Hct (7)	
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number	% 85th - <95th	% <u>></u> 95th	Number	%
White, Not Hispanic	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	22,607 31,582 30,591 30,193 29,753 20,565 31,141 29,794 29,351 31,616	7.5 8.1 8.1 8.3 8.3 8.3 8.5 8.2 8.1	8.7 8.2 8.6 8.6 9.1 9.4 9.4 9.6	119,622 132,911 128,012 122,236 120,274 109,580 128,090 125,251 125,739 127,624	5.1 5.5 6.6 6.5 6.5 5.9 6.5 6.5 6.7 7.3	3.4 3.3 3.6 3.7 3.9 3.7 3.6 3.8 4.1 4.4	11.6 12.0 12.1 11.8 11.6 11.9 12.5 12.2 11.9 11.4	55,012 59,598 54,822 51,648 51,083 49,196 54,702 53,935 54,228 54,188	16.6 16.8 16.8 16.6 16.3 15.9 16.6 17.0 16.4 16.1	12.5 13.0 13.2 12.8 12.5 12.2 13.0 13.0 12.5 12.5	70,473 87,069 77,466 75,451 73,889 72,852 79,361 77,964 80,477 95,574	11.5 10.9 11.3 10.8 9.4 10.4 10.2 10.2 9.8 10.7
Black, Not Hispanic	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	12,304 16,955 15,726 15,488 15,319 10,733 14,933 14,534 14,426 17,610	13.0 13.3 13.5 13.5 14.2 14.4 13.3 13.0 13.4	4.1 3.7 4.2 4.2 4.2 5.1 5.1 5.7 5.2 5.5	57,972 64,803 62,359 60,646 59,554 54,726 63,141 62,643 63,663 67,427	5.7 6.2 7.8 7.9 8.0 7.3 7.5 7.5 7.4	4.9 5.0 4.8 5.2 5.3 5.0 5.0 5.4 5.8 5.7	11.3 11.6 12.2 11.5 11.5 11.8 12.6 12.4 11.5 11.3	24,914 27,524 25,987 25,042 24,652 24,285 27,132 27,191 27,738 28,090	13.9 14.5 14.6 14.2 14.0 13.4 14.2 13.7 13.7	11.2 11.0 11.6 11.5 11.0 10.6 11.0 10.7 10.4 10.0	33,486 40,616 35,668 35,047 33,317 34,245 38,016 38,290 40,434 49,221	25.4 24.4 25.2 23.9 21.3 22.1 20.3 20.4 20.5 20.5



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

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⁽⁴⁾ Infants born during the reporting period included in the analysis.

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Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 22 Run Date: 3 / 26 / 11

Race/Ethnicity and Year		E	Birthweight	(4)			Hei	ght and \	Veight			Aner	mia
			Low	High		Short Stature (5)	Under- weight (6)	Obese (6)		≥ 2 Yrs Overweight (6)		Low H	b/Hct
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number	% 85th - <95th	% ≥ 95th	Number	%
Hispanic	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	5,520 7,628 6,850 6,798 6,648 4,771 5,338 5,323 4,683 5,503	6.8 6.4 6.9 6.9 7.1 7.0 6.2 6.5 6.6 6.4	7.2 7.9 8.4 7.9 8.2 8.7 8.4 9.5 8.9	33,371 36,698 32,990 31,988 30,855 25,441 25,541 23,949 22,822 22,697	4.8 5.0 6.4 6.3 6.3 5.8 6.9 7.3 7.2 7.8	2.3 2.4 2.8 2.7 2.6 2.7 3.1 3.4 3.8 4.0	16.3 17.4 17.4 17.0 16.7 16.9 16.8 16.1 15.8 15.4	16,820 18,096 15,554 14,753 13,948 12,253 12,076 10,961 10,328 9,476	18.8 18.7 19.1 19.4 19.3 18.5 17.8 18.0 17.4	18.5 19.6 20.1 20.3 19.7 18.2 18.3 17.9 17.2 17.5	21,048 25,250 19,299 19,331 19,109 16,744 16,436 15,245 15,636 17,221	14.2 13.5 15.0 12.8 11.2 12.3 10.5 10.2 11.0 12.1
American Indian/Alaska Native	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	108 175 126 192 157 163 395 347 320 327	5.6 8.6 8.7 8.9 5.7 8.0 7.8 6.3 5.6 7.6	12.0 12.6 11.9 14.6 14.1 9.6 12.1 12.8 12.8	531 626 704 774 802 1,076 1,557 1,437 1,377	5.5 6.5 6.3 4.8 5.2 5.2 6.4 5.8 5.5 6.2	3.0 2.6 2.7 4.4 4.6 3.1 2.9 2.9 2.8 2.9	20.2 15.3 16.1 15.1 17.1 19.0 17.1 15.3 15.6 16.6	229 272 330 359 395 514 663 631 602 610	17.0 22.1 17.6 17.0 18.0 16.9 22.9 21.1 19.8 24.1	19.7 17.3 16.7 16.7 17.2 20.8 17.0 15.8 15.8	303 397 474 459 537 748 983 930 910 1,005	10.6 9.8 12.0 12.0 10.2 14.4 11.6 10.1 8.4 8.8



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^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 23 Run Date: 3 / 26 / 11

Race/Ethnicity and Year		E	Birthweight	(4)			Hei	ght and V	Veight			Aner	mia
			Low	High		Short Stature (5)	Under- weight (6)	Obese (6)		≥ 2 Yrs Overweight (6)		Low H	b/Hct
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number	% 85th - <95th	% <u>></u> 95th	Number	%
Asian/Pacific Islander	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	681 883 820 787 829 645 797 794 659 628	8.8 10.0 7.0 8.1 9.7 10.4 7.4 7.9 8.6 8.6	5.1 3.6 3.3 4.7 4.2 5.3 6.5 4.4 5.0 5.7	3,439 3,634 3,689 3,536 3,675 3,214 3,273 3,082 2,749 2,580	5.9 6.3 7.5 5.9 7.1 6.8 6.8 7.2 7.8 7.6	6.1 5.9 5.9 5.5 6.0 7.2 5.2 5.3 4.3	10.1 9.5 11.2 10.2 11.0 11.4 11.4 12.1 11.5 11.1	1,573 1,580 1,665 1,594 1,595 1,424 1,288 1,244 1,169 1,088	12.3 13.6 13.5 15.0 13.0 12.2 13.7 15.3 15.7 14.9	11.0 11.7 13.1 11.4 11.7 12.4 12.3 13.2 13.0 13.1	2,081 2,357 2,150 1,992 2,091 2,059 1,906 1,821 1,698 1,913	17.2 18.2 17.9 12.9 12.7 13.6 12.4 13.4 12.6 14.1
Multiple Races	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	2,991 3,882 3,122 2,905 2,852 1,422 0 0 0	8.3 8.9 9.0 10.0 8.8 8.6 *	6.7 7.2 7.8 6.7 8.5 7.7	16,179 16,668 12,654 11,382 10,495 4,597 0 0 0	4.5 5.2 6.6 6.3 6.0 6.9	3.2 2.9 3.5 3.5 3.7 3.3 *	14.3 14.2 13.8 13.9 13.7 13.5 *	7,468 7,419 5,165 4,509 4,105 1,858 0 0 0	16.8 17.6 17.7 16.7 17.3 17.2	14.6 14.8 15.0 15.3 15.4 15.7	9,724 11,194 7,997 7,024 6,218 2,640 0 0	15.2 15.2 17.9 14.8 14.2 15.1



⁽¹⁾ Reporting period is January 1 through December 31.

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^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 24 Run Date: 3 / 26 / 11

Race/Ethnicity and Year		E	Birthweight (4)			Height and Weight							
			Low	High		Short Stature (5)	Stature weight			2 Yrs Overweight (6)		Anemia Low Hb/Hct (7)	
		Number	% <2500 g	% >4000 g	Number	% <5th	% <5th	% <u>></u> 95th	Number	% 85th - <95th	% <u>></u> 95th	Number	%
All Other/Unknown	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	33 39 0 0 1 15,333 0 0 0	* * * * 9.6 * *	* * * * 7.5 * *	91 58 1 0 10 23,637 2 0 0	9.6	* * * * * 5.8 * *	* * * * 9.5 * *	3 0 0 0 2 5,697 2 0 0	* * * 15.5 * *	* * * * * 11.8 * *	6 4 0 0 7 7,248 2 0 0 3	15.0
Total All Race/Ethnic Groups	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	44,244 61,144 57,235 56,363 55,559 53,632 52,604 50,792 49,439 55,685	9.0 9.4 9.5 9.6 9.8 9.8 9.6 9.4 9.5	7.0 6.8 7.2 7.2 7.3 7.8 8.0 8.3 8.2 8.5	231,205 255,398 240,409 230,562 225,665 222,271 221,604 216,362 216,350 221,698	5.2 5.6 6.9 6.8 6.7 6.8 6.9 7.0	3.7 3.6 3.8 4.0 4.1 4.2 4.0 4.3 4.6 4.8	12.4 12.8 12.9 12.5 12.4 12.3 13.0 12.7 12.2 11.8	106,019 114,489 103,523 97,905 95,780 95,227 95,863 93,962 94,065 93,453	16.3 16.6 16.6 16.4 16.2 15.6 16.1 16.1 15.7	13.3 13.7 13.9 13.7 13.3 12.7 13.2 12.9 12.4 12.3	137,121 166,887 143,054 139,304 135,168 136,536 136,704 134,250 139,155 164,937	15.6 15.0 15.7 14.6 12.9 14.0 13.1 13.1 13.0 13.8



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⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the analysis.

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

⁽⁶⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.

⁽⁷⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 25 Run Date: 3 / 26 / 11

S	Summary of Tren	ds in Brea	stfeeding In	dicators by	Race/Ethnic	city (3)	
Race/Ethnicity and Year				Brea	astfeeding (4)		
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months
White, Not Hispanic	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	22,868 32,100 31,845 31,633 31,248 21,842 32,949 31,430 31,081 33,432	60.6 59.2 57.7 56.4 55.1 55.2 52.6 51.8 50.6 49.6	16,052 23,210 22,459 23,935 22,705 21,948 25,703 24,353 24,869 25,549	20.6 20.5 16.7 15.7 16.3 15.9 15.1 15.4 14.4	15,955 22,201 20,353 20,596 19,128 20,000 20,587 19,700 20,076 20,071	9.7 8.9 12.3 12.5 13.6 12.9 12.3 12.3 11.3 10.3
Black, Not Hispanic	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	12,400 17,117 16,573 16,320 16,154 11,468 15,957 15,590 15,315 18,637	41.3 39.0 39.2 37.8 38.0 37.7 35.5 34.3 33.5 32.0	8,370 12,038 10,408 10,914 10,751 10,478 12,274 12,098 12,091 13,005	11.2 12.2 10.7 11.3 11.4 10.5 10.2 9.8 9.2 7.7	7,110 10,598 9,702 9,875 9,481 9,689 10,169 9,830 10,272 10,377	4.6 4.5 8.9 9.6 8.8 9.0 7.8 8.2 7.4 6.3



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⁽⁴⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 26 Run Date: 3 / 26 / 11

Sum	mary of Tren	ds in Brea	stfeeding In	dicators by	Race/Ethnic	ity ⁽³⁾					
Race/Ethnicity and Year		Breastfeeding (4)									
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months				
Hispanic	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	5,609 7,787 7,319 7,329 7,220 5,147 5,778 5,709 5,002 5,834	61.7 61.0 60.8 61.9 62.9 65.1 61.7 63.4 61.3 61.9	3,953 5,813 4,941 5,552 5,450 4,557 4,523 4,142 4,013 4,420	20.8 24.4 22.9 21.8 22.6 22.4 22.2 22.8 21.2 19.3	4,123 5,817 5,008 5,363 5,168 4,472 4,323 3,775 3,945 3,963	10.2 9.9 16.7 17.3 17.8 17.4 18.3 18.1 15.9				
American Indian/Alaska Native	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	109 178 135 198 166 168 405 359 329 340	56.9 53.9 48.1 60.6 51.8 60.1 53.3 46.8 52.9 45.0	79 107 126 114 128 199 258 272 248 239	* 14.0 15.9 11.4 16.4 18.1 16.3 18.0 12.5 13.4	73 85 132 112 120 196 261 237 224 213	* 12.1 9.8 5.8 14.8 11.1 12.7 10.7 12.7				



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^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 27 Run Date: 3 / 26 / 11

S	ummary of Tren	ds in Brea	stfeeding In	dicators by	Race/Ethnic	city (3)					
Race/Ethnicity and Year		Breastfeeding (4)									
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months				
Asian/Pacific Islander	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	691 902 870 841 897 693 872 865 706 683	60.1 61.8 63.3 59.8 60.3 56.9 56.8 56.4 53.0 49.3	442 642 580 617 686 641 701 680 558 528	31.7 29.3 31.4 28.4 29.9 31.4 24.5 28.1 20.8 16.3	440 638 499 556 604 594 611 498 458 408	17.5 15.0 29.3 25.9 23.8 21.5 20.8 16.9 16.2 11.0				
Multiple Races	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	3,008 3,907 3,337 3,005 2,990 1,496 0 0	53.3 52.3 48.0 51.7 50.1 50.5	2,173 3,030 2,276 2,344 2,167 956 0 0	14.2 14.7 11.6 11.3 12.0 12.1	2,196 3,007 2,082 2,091 1,797 779 0 0	6.0 6.3 7.9 8.6 9.2 8.5				



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 28 Run Date: 3 / 26 / 11

Sum	nmary of Tren	ds in Brea	stfeeding In	dicators by	Race/Ethnic	city (3)				
Race/Ethnicity and Year		Breastfeeding (4)								
		Number	% Ever Breastfed	Number	% Breastfed At Least 6 Months	Number	% Breastfed At Least 12 Months			
All Other/Unknown	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	43 47 1 0 1 16,477 0 0 0	* * * 49.6 * * *	61 39 2 0 3 3,759 0 0 0	* * * * 16.9 * *	3 1 0 0 5 848 0 0 0	* * * * 3.9 * * *			
Total All Race/Ethnic Groups	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	44,728 62,038 60,080 59,326 58,676 57,291 55,961 53,953 52,433 58,927	54.9 53.5 52.5 51.8 51.2 50.9 48.7 48.0 46.7 45.2	31,130 44,879 40,792 43,476 41,890 42,538 43,459 41,545 41,779 43,743	17.8 18.5 15.8 15.3 15.8 15.5 14.6 14.7 13.6 12.3	29,900 42,347 37,776 38,593 36,303 36,578 35,951 34,040 34,975 35,033	8.4 7.8 12.0 12.4 12.9 12.2 11.9 11.8 10.7 9.6			



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Infants born during the reporting period included in the Ever Breastfed analysis. Infants who turned 6 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 6 Months analysis. Children who turned 12 months of age during the reporting period by/on their date of visit included in the Breastfed At Least 12 Months analysis.

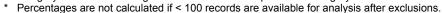
^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page: 29 Run Date: 3 / 26 / 11

Summary of Trends in Growth Indicators by Age Children Aged < 5 Years (2)

				Su	mmary	of Tren	ds in (rowth Indicators	by Ag	e (3)					
Age and Year *		Height and Weight						Age and Year *	Height and Weight						
		Short Stature (4)	Under- weight (5)	Obese (5)		≥ 2 Yrs Overweight (5)				Short Stature (4)	Under- weight (5)	Obese (5)		≥ 2 Yrs Overweight (5)	
	Number	% <5th	% <5th	% _>95th	Number	% 85th-<95th	% >95th		Number	% <5th	% <5th	% <u>></u> 95th	Number	% 85th-<95th	% > 95th
0 - 11 Months		-5011	\ 0011			0501-19501	295011	24 - 35 Months		-5011	\Jui	<u>></u> 95011		0501-19501	<u>></u> 95011
2010	74,399	7.8	5.1	9.8	0	*	*	2010	41,096	3.4	3.0	11.8	41,096	15.6	11.8
2009	82,831	8.4	5.5	9.7	0	*	*	2009	44,221	3.9	2.8	12.3	44,221	16.0	12.3
2008	84,051	10.5	5.5	10.1	0	*	*	2008	40,648	4.7	3.2	12.6	40,648	16.0	12.6
2007	82,460	10.1	5.4	9.9	0	*	*	2007	38,304	4.7	3.3	12.3	38,304	15.8	12.3
2006	81,510	10.2	5.3	9.9	0	*	*	2006	37,595	4.6	3.7	11.9	37,595	15.8	11.9
2005	79,096	10.1	5.2	10.4	0	*	*	2005	36,469	4.2	4.0	11.1	36,469	14.9	11.1
2004	78,881	10.1	5.0	11.1	0	*	*	2004	36,379	4.6	3.7	12.0	36,379	15.4	12.0
2003	77,207	9.7	5.3	11.0	0	*	*	2003	36,372	4.8	3.9	11.8	36,372	15.6	11.8
2002	76,048	10.2	6.1	10.5	0	*	*	2002	36,515	4.6	4.0	11.4	36,515	15.1	11.4
2001	82,634	11.6	6.5	9.8	0	*	*	2001	36,045	4.5	4.1	11.0	36,045	14.9	11.0
12 - 23 Months								36 - 47 Months							
2010	50,787	5.4	2.7	14.3	0	*	*	2010	35,634	3.4	3.2	13.5	35,634	16.2	13.5
2009	58,078	5.6	2.5	15.5	0	*	*	2009	37,612	3.4	3.1	14.2	37,612	16.4	14.2
2008	52,835	6.4	2.8	15.3	0	*	*	2008	34,282	3.9	3.1	14.5	34,282	16.6	14.5
2007	50,197	6.4	2.9	14.6	0	*	*	2007	32,415	4.2	3.5	14.1	32,415	16.6	14.1
2006	48,375	6.4	3.0	14.7	0	*	*	2006	31,368	4.0	3.9	13.8	31,368	16.3	13.8
2005	47,948	6.1	2.9	14.6	0	*	*	2005	31,555	4.3	4.2	13.0	31,555	15.5	13.0
2004	46,860	6.4	2.7	16.0	0	*	*	2004	32,687	4.4	3.8	13.6	32,687	16.0	13.6
2003	45,193	6.8	2.9	15.1	0	*	*	2003	31,691	4.6	4.3	13.2	31,691	16.4	13.2
2002	46,237	6.5	3.2	14.6	0	*	*	2002	31,111	4.6	4.0	13.1	31,111	15.9	13.1
2001	45,611	7.0	3.1	14.5	0	**		2001	31,055	4.7	4.0	12.3	31,055	15.8	12.3

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.





⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

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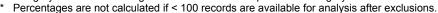
⁽⁴⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

Summary of Trends in Growth Indicators by Age Children Aged < 5 Years (2) Page: 30 Run Date: 3 / 26 / 11

				Su	mmary	of Tren	ds in
Age and Year *			Heigh	nt and V	Veight		
		Short Stature (4)	Under- weight (5)	Obese (5)		≥ 2 Yrs Overweight (5)	
	Number	% <5th	% <5th	% _>95th	Number	% 85th-<95th	% ≥95th
48 - 59 Months							
2010	29,289	2.9	2.9	15.1	29,289	17.2	15.1
2009	32,656	3.1	2.7	15.0	32,656	17.5	15.0
2008	28,593	3.8	2.9	15.1	28,593	17.5	15.1
2007	27,186	3.8	3.0	15.1	27,186	17.1	15.1
2006	26,817	4.0	3.7	14.7	26,817	16.6	14.7
2005	27,203	3.8	4.0	14.3	27,203	16.5	14.3
2004	26,797	3.9	3.7	14.3	26,797	17.0	14.3
2003	25,899	4.2	3.9	14.2	25,899	16.7	14.2
2002	26,439	4.6	4.0	13.1	26,439	16.2	13.1
2001	26,353	4.6	3.7	13.9	26,353	16.3	13.9
Total All Age Groups							
2010	231,205	5.2	3.7	12.4	106,019	16.3	13.3
2009	255,398	5.6	3.6	12.8	114,489	16.6	13.7
2008	240,409	6.9	3.8	12.9	103,523	16.6	13.9
2007	230,562	6.8	4.0	12.5	97,905	16.4	13.7
2006	225,665	6.8	4.1	12.4	95,780	16.2	13.3
2005	222,271	6.7	4.2	12.3	95,227	15.6	12.7
2004	221,604	6.8	4.0	13.0	95,863	16.1	13.2
2003	216,362	6.9	4.3	12.7	93,962	16.1	12.9
2002	216,350	7.0	4.6	12.2	94,065	15.7	12.4
2001	221,698	7.7	4.8	11.8	93,453	15.6	12.3

Gro	wth Indicators	by Ag	e (3)					
	Age and Year *			Heigl	nt and W	/eight		
			Short Stature (4)	Under- weight (5)	Obese (5)	(≥ 2 Yrs Overweight (5)	
		Number	% <5th	% <5th	% > 95th	Number	% 85th-<95th	% <u>></u> 95th

⁽⁵⁾ Based on 2000 CDC growth chart percentiles for weight-for-length for children under 2 years of age and BMI-for-age for children 2 years of age and older. 85th - < 95th percentile category identifies overweight children and >= 95th percentile category identifies obese children.





⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Based on 2000 CDC growth chart percentiles for length-for-age for children under 2 years of age and height-for-age for children 2 years of age and older.

Summary of Trends in Anemia by Age Children Aged < 5 Years (2) Page: 31 Run Date: 3 / 26 / 11

		Summa	ary of Tr	ends in	Anemia by Ago	e ⁽³⁾		
Age and Year		Anen Low Hb	nia /Hct (4)		Age and Year		Anem Low Hb.	
		Number	%				Number	%
6 - 11 Months					18 - 23 Months			
6 - 11 Monuis	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	7,892 9,254 6,826 7,066 7,421 7,508 6,915 7,718 13,917 37,241	19.6 17.6 20.3 18.2 15.6 16.7 16.3 16.6 14.3 16.4		To - 23 Monuis	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	20,958 25,727 21,872 20,581 19,732 20,105 19,903 19,678 20,855 21,288	15.6 15.0 16.0 15.2 13.0 14.7 13.3 13.6 13.5 14.3
12 - 17 Months	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	31,351 37,476 34,254 33,931 32,334 32,429 32,249 30,495 28,353 24,695	18.7 18.0 18.3 17.6 14.9 16.0 15.3 15.1 15.1		24 - 35 Months	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	30,178 37,290 31,871 31,026 30,393 30,215 30,100 30,750 28,354 32,230	17.2 16.5 16.9 15.9 14.2 15.3 14.3 14.5 15.1



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.

Page:

Michigan	
Summary of Trends in Anemia by	Age
Children Aged < 5 Years	(2)

		Summa	ary of Tr	ends in	Anemia by Age	(3)		
Age and Year		Anen Low Hb	nia /Hct (4)		Age and Year		Anemia Low Hb/Hct	
		Number	%				Number	%
36 - 59 Months	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	46,742 57,140 48,231 46,700 45,288 46,279 47,537 45,609 47,676 49,483	11.9 11.6 12.4 10.9 10.0 10.9 10.2 10.2 10.0 10.2		Total All Age Groups	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	137,121 166,887 143,054 139,304 135,168 136,536 136,704 134,250 139,155 164,937	15.6 15.0 15.7 14.6 12.9 14.0 13.1 13.1 13.0
All Other/Unknown	2010 2009 2008 2007 2006 2005 2004 2003 2002 2001	0 0 0 0 0 0 0	* * * * * * * * * * *					



⁽¹⁾ Reporting period is January 1 through December 31.

⁽²⁾ Analyses based on one record per child.

⁽³⁾ Excludes records with unknown data or errors.

⁽⁴⁾ Based on 1998 CDC MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States", altitude adjusted, children 6 months of age and older included in the analysis.

^{*} Percentages are not calculated if < 100 records are available for analysis after exclusions.